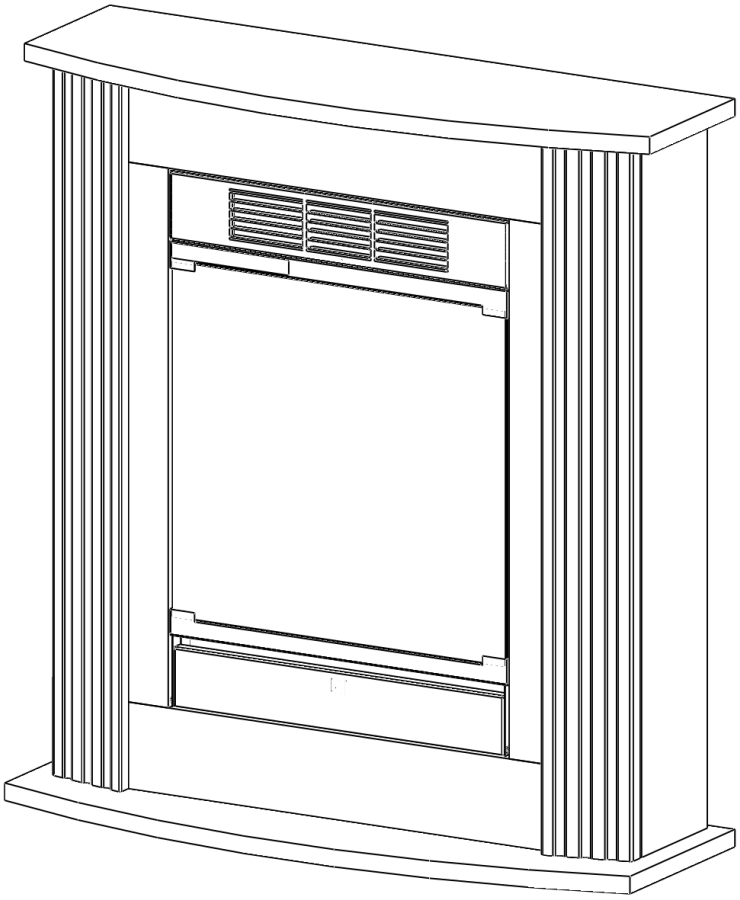
Dimplex®

Better solutions through innovation



Service Manual

Mini Mozart

Model Number:

DFP15-1131 (No Remote)
DFP15-1132 (No Remote)
DFP15-1134 (Remote)
DFP15-1140 (Remote)

UL Part Number

690750XXXX

IMPORTANT SAFETY INFORMATION: Always read this manual first before attempting to service this fireplace. For your safety, always comply with all warnings and safety instructions contained in this manual to prevent personal injury or property damage.

REV	PCN	DATE
00	-	4-JAN-12

Dimplex North America Limited
1367 Industrial Road • Cambridge ON Canada N1R 7G8
1-888-346-7539 • www.dimplex.com

In keeping with our policy of continuous product development, we reserve the right to make changes without notice.
© 2011 Dimplex North America Limited

7400530000R00

TABLE OF CONTENTS

OPERATION 3
MAINTENANCE 4
EXPLODED PARTS DIAGRAM 5
WIRING DIAGRAM 6
SWITCH REPLACEMENT – ON/OFF, LOW/HIGH HEAT 7
HEATER ASSEMBLY REPLACEMENT 7
FLICKER MOTOR/FLICKER ROD REPLACEMENT 8
POWER CORD REPLACEMENT 8
REMOTE CONTROL RECEIVER REPLACEMENT 9
LIGHT HARNESS REPLACEMENT 9
TROUBLESHOOTING GUIDE 10

Always use a qualified technician or service agency to repair this fireplace.

! NOTE: Procedures and techniques that are considered important enough to emphasize.

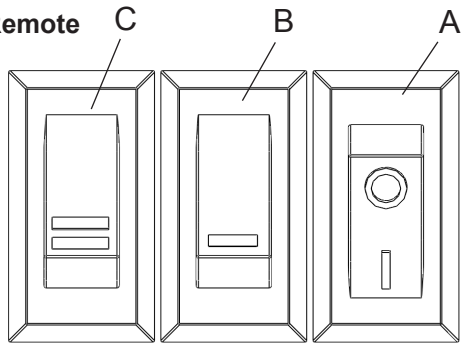
⚠ **CAUTION:** Procedures and techniques which, if not carefully followed, will result in damage to the equipment.

⚠ **WARNING:** Procedures and techniques which, if not carefully followed, will expose the user to the risk of fire, serious injury, or death.

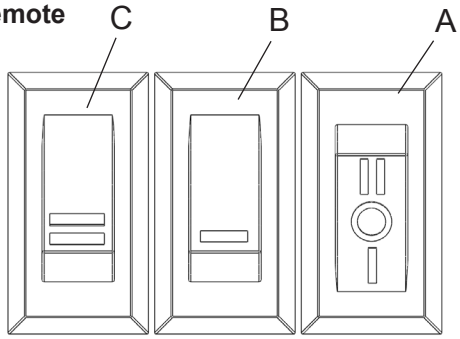
OPERATION

Figure 1

Without Remote



With Remote



Manual Controls for Units without Remote

A - On/Off Switch

The power switch controls the electricity supply to the heater, flame effect and pilot light. When the switch is in the " **I** " position the unit is ON and when the switch is in the " **O** " position the unit is OFF.

! **NOTE:** When the pilot light is lit but flames are not present, power is still supplied to unit and flame effect light bulb should be replaced.

B - Low Heat Switch

The Low Heat Switch supplies power to the heater fan and the heater element. When the switch is in the ON position (" **I** ") the heater operates on LOW.

C - High Heat Switch

The High Heat Switch supplies power to the heater fan and the heater element. When the switch is in the ON position (" **II** ") the heater operates on HIGH. The Low Heat Switch must also be in the ON position (" **I** ") for the high heat setting to operate.

Manual Controls for Units with Remote

A - 3-Position Switch

The power switch has two (2) On positions marked with " **I** " and " **II** ". The " **I** " position is for manual operation. In this position the remote control is bypassed.

The " **II** " position is for operating the unit with the provided remote control. When in " **II** " position the unit is operated with the ON and OFF buttons of the remote control.

When the switch is in the center (" **O** ") position the unit is off.

B - Low Heat Switch

The Low Heat Switch supplies power to the heater fan and the heater element. When the switch is in the ON position (" **I** ") the heater operates on LOW.

C - High Heat Switch

The High Heat Switch supplies power to the heater fan and the heater element. When the switch is in the ON position (" **II** ") the heater operates on HIGH. The Low Heat Switch must also be in the ON position (" **I** ") for the high heat setting to operate.

Resetting the Temperature Cutoff Switch

Should the heater overheat, an automatic cut out will turn the fireplace off and it will not come back on without being reset. It can be reset by switching the On/Off Switch to Off and waiting five (5) minutes before switching the unit back on.

! **NOTE:** If operating the unit with a remote control, the remote may require re-initializing after turning the power off.

⚠ **CAUTION:** If you need to continuously reset the heater, disconnect power and call Dimplex customer service at 1-888-DIMPLEX (1-888-346-7539).

Remote Control (Figure 2)

The fireplace is supplied with an integrated On/Off remote control, that is factory synchronized with the firebox.

To operate, push the ON button to turn fireplace on, push the OFF button to turn the fireplace off. The amount of heat produced will be dependant on positioning of manual heat controls.

! **NOTE:** Ensure that the fireplace's On/Off switch is set to the remote control setting (" **II** " position).

! **NOTE:** Before attempting any operation with the remote control, pull the plastic insulator strip out from between the remote casing and battery cover (Figure 2).

Initialization/Reprogramming

Follow these steps for remote control initialization, if required:

1. Set the 3-Position Switch to OFF.
2. Wait a minimum of five (5) seconds and set the 3 Position Switch to the Remote position (refer to Operation Section).
3. **Within** 10 seconds of re-acquiring power, press the ON button located on the remote control.

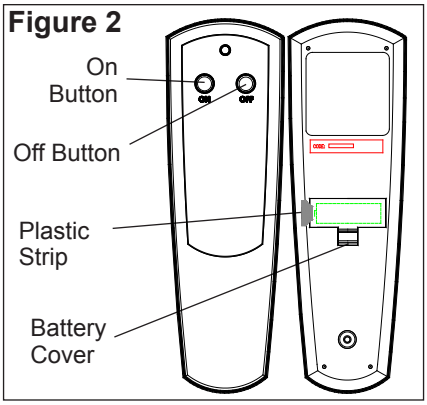
! **NOTE:** You will have only 10 seconds to perform this last step. Failure to do so will result in these steps needing to be followed again.

This will synchronize the remote control and receiver.

Battery Replacement

1. Slide battery cover open on the remote control (Figure 3).
2. Correctly install one (1) 12 Volt (A23) battery in the battery holder.

Figure 2



3. Close the battery cover.

Battery must be recycled or disposed of properly. Check with your Local Authority or Retailer for recycling advice in your area.

MAINTENANCE

WARNING: If the fireplace was operating prior to servicing allow at least 10 minutes for light bulbs and heating elements to cool off to avoid accidental burning of skin.

WARNING: Disconnect power before attempting any maintenance or cleaning to reduce the risk of electric shock or damage to persons.

WARNING: Any other maintenance should be performed by an authorized service representative.

Bulb Replacement

The bulb is located behind the back panel. To gain access to the bulb, the screws indicated in Figure 3 (4 screws) which secure the back panel must be removed.

- Remove and slide out panel as indicated on Figure 4.
- Remove the defective lamp by unscrewing it as shown in Figure 4.
- Replace with a 60W E12 clear chandelier or candelabra bulb. Take care not to over-tighten the bulb.
- Refit the back panel and secure with the screws.

NOTE: When the unit is not in use, unplug the power cord and neatly coil the power cord and set it beside the unit.

Figure 3

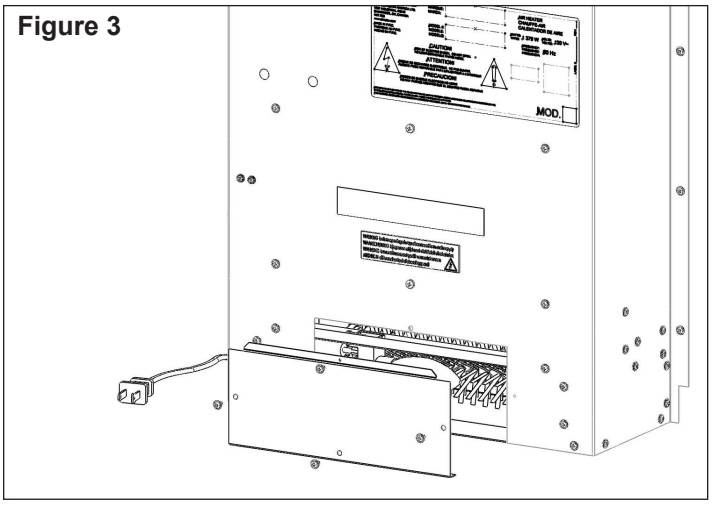
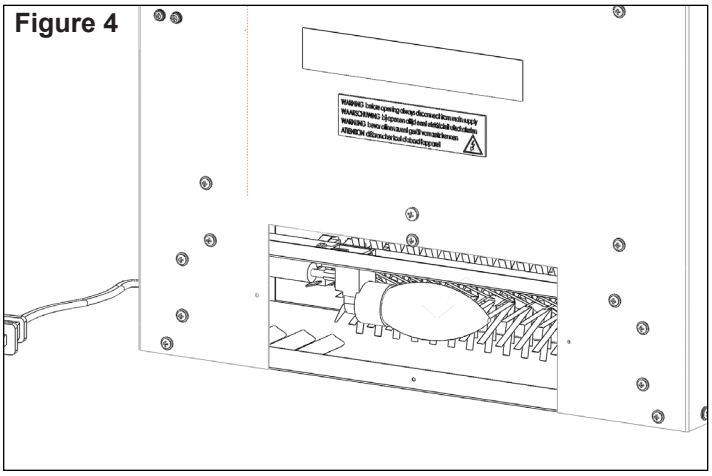
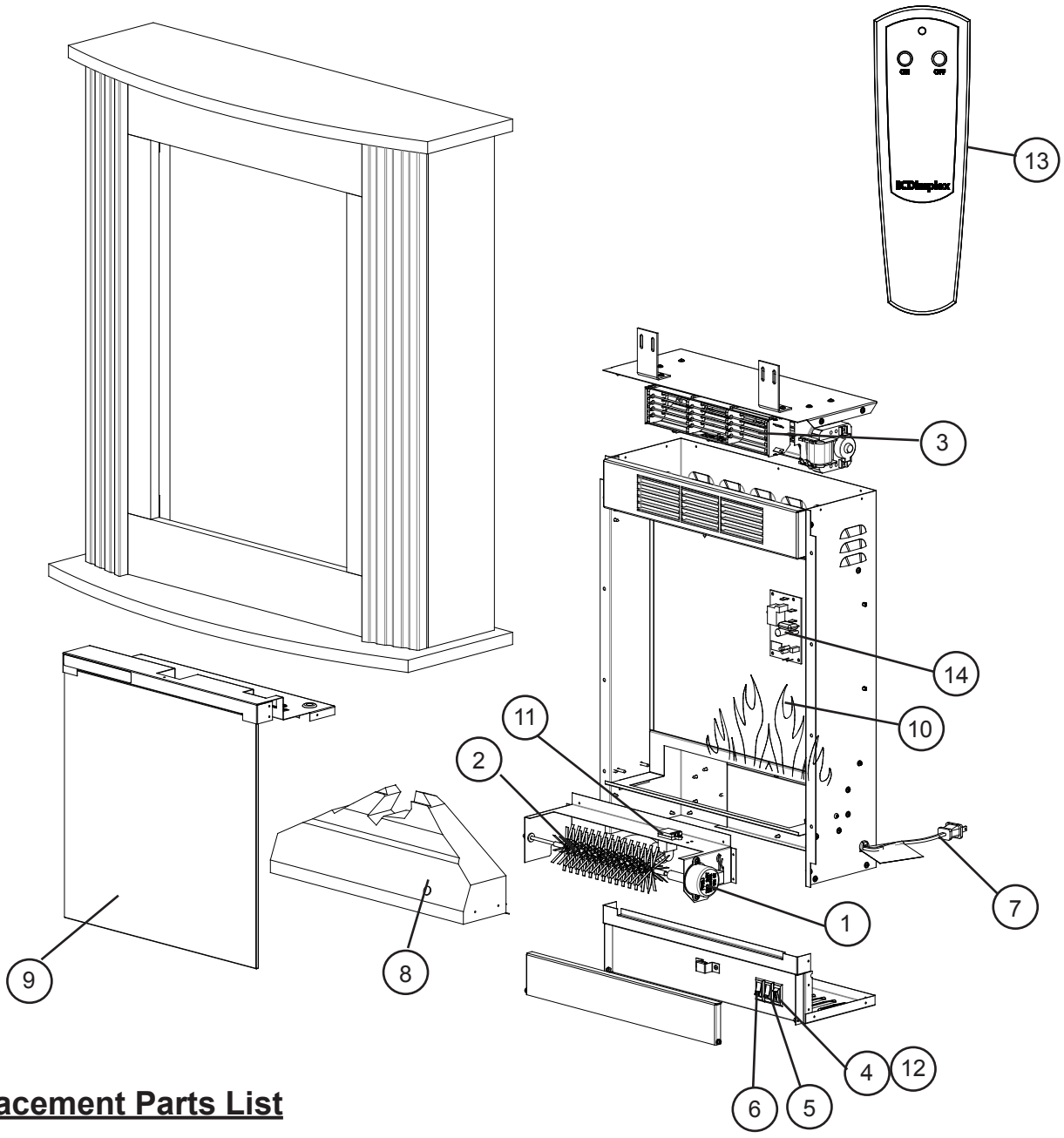


Figure 4



EXPLODED PARTS DIAGRAM



Replacement Parts List

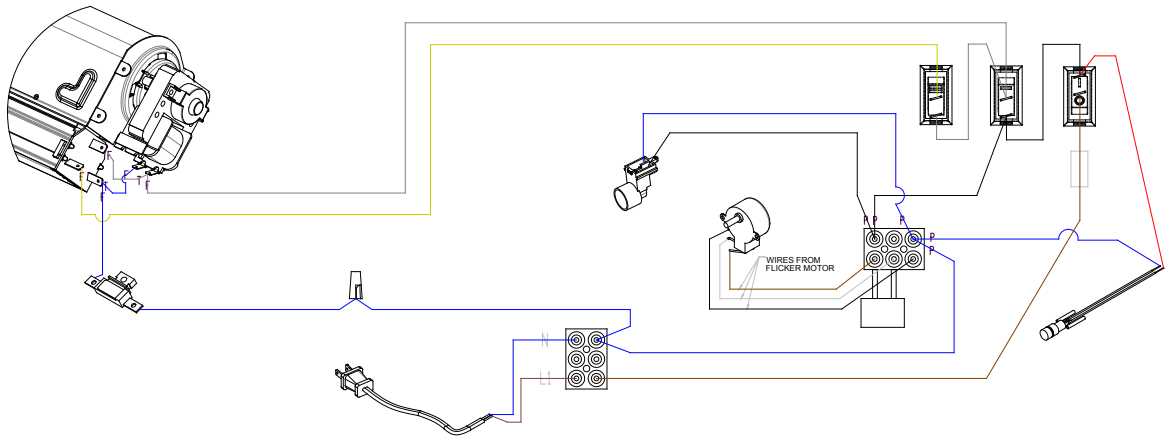
1. Flicker Motor 2000220100RP
2. Flicker Rod 5902110100RP
3. Heater Assembly (with Cutout) 2203530200RP
4. On/Off Switch (Models with no remote) 2800070700RP
5. Low Heat Switch 2800070900RP
6. High Heat Switch 2800071000RP
7. Power Cord 4100010700RP
8. Log Set 0440580100RP
9. Front Glass 5902080100RP
10. Partially Reflective Glass 5902090100RP
11. Light Socket 4200090200RP

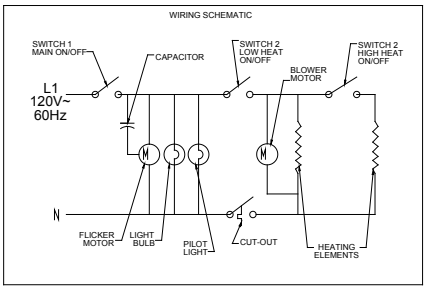
Models with Remote

12. 3-Position Switch 2800071100RP
13. Remote Control 3000370500RP
14. Remote Control Receiver 3000380200RP

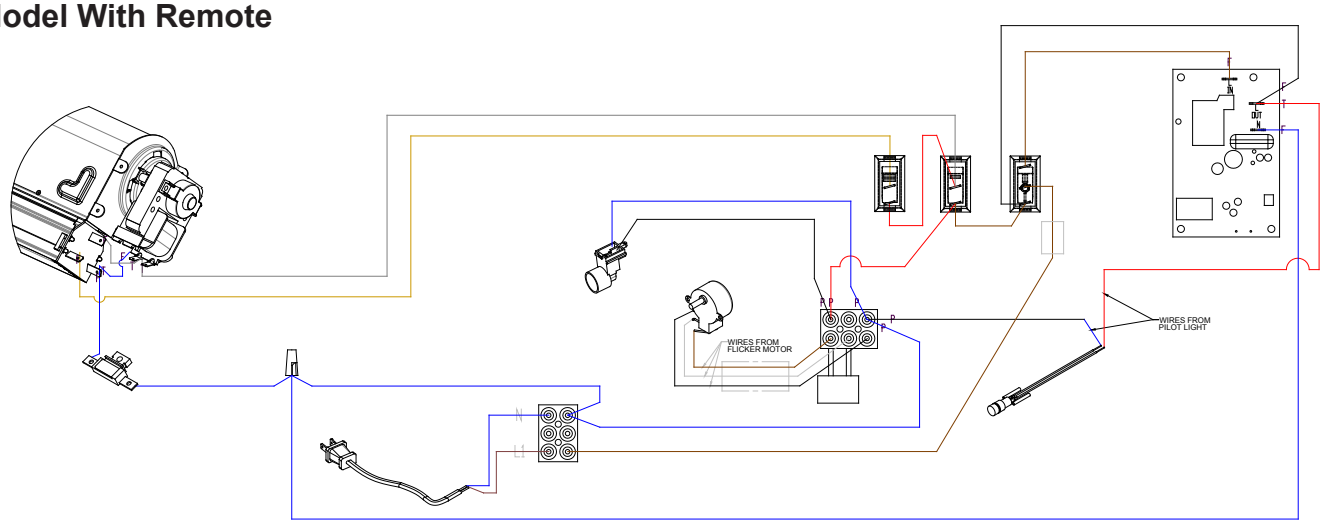
WIRING DIAGRAM

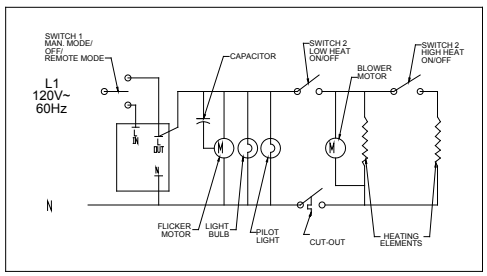
Model Without Remote





Model With Remote





SWITCH REPLACEMENT – ON/OFF, LOW/HIGH HEAT

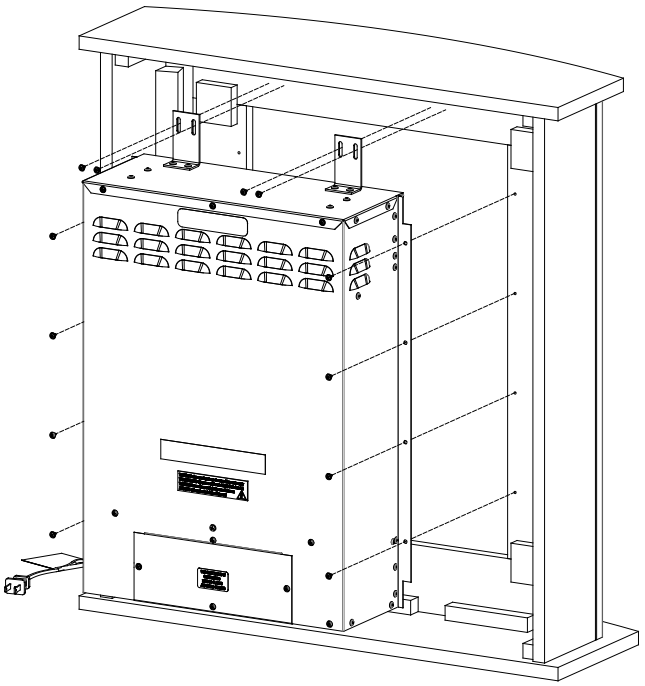
Tools Required: Phillips head Screwdriver

⚠ **WARNING:** If the fireplace was operating prior to servicing allow at least 10 minutes for light bulbs and heating elements to cool off to avoid accidental burning of skin.

⚠ **WARNING:** Disconnect power before attempting any maintenance or cleaning to reduce the risk of electric shock or damage to persons.

1. Remove the twelve (12) screws which mount the firebox to the back of the mantel/cabinet. (Figure 5)
2. Pull the firebox out from behind the mantel and place it upright on your work surface with the back panel facing you.
3. Remove the light access panel. (Figure 3)
4. Remove the three (3) screws along the bottom edge which secure the bottom panel to the back panel.
5. Carefully lay the firebox onto your work surface with the front glass facing up.
6. Remove the eight (8) remaining screws which secure the bottom panel and front control panel to the upper chassis of the firebox. (On each side there are two (2) along the side of the front control panel and two (2) along the bottom edge.)
7. Gently pull the bottom panel away from the firebox, while supporting the front glass. Remove glass and place the glass in a safe place.
8. Continue removing the bottom panel being careful not to strain any of the connected wires.
9. Locate the defective switch mounted to the lower front cover. Disconnect the wiring connections, noting their original locations.

Figure 5



! **NOTE:** A flat head screwdriver can be used to gently pry between the end of the connector and the switch to release the wires.

10. Depress the retainer clips on the rear of the switch and push the switch out of the heater assembly cover.
11. Properly orient the new switch and connect all of the wiring connections.
12. Reassemble in the reverse order.

HEATER ASSEMBLY REPLACEMENT

Tools Required: Phillips head Screwdriver

⚠ **WARNING:** If the fireplace was operating prior to servicing allow at least 10 minutes for light bulbs and heating elements to cool off to avoid accidental burning of skin.

⚠ **WARNING:** Disconnect power before attempting any maintenance or cleaning to reduce the risk of electric shock or damage to persons.

1. Remove the twelve (12) screws which mount the firebox to the back of the mantel/cabinet. (Figure 5)
2. Pull the firebox out from behind the mantel and place it upright on your work surface with the back panel facing you.
3. Remove the seven (7) screws along the upper edge of the side and rear panels, which secure the top panel to the sides: two (2) on the left panel; two (2) on the right panel; three (3) on the rear panel.
4. Carefully lift the top panel off, being careful that the heater assembly does not catch on anything, as there are wires attached to the heater assembly.
5. Rotate the assembly so that the top of the top panel is resting on the sides of the unit, and the heater assembly is facing up.
6. Release the heater assembly by removing the four (4) screws which secure the two (2) mounting brackets to the top panel (two screws on each bracket).
7. Remove the two (2) screws from each mounting bracket which secure the brackets to the heater assembly.
8. Transfer wiring connections from the original heater assembly to the replacement heater assembly.

! **NOTE:** Some of the wires will have a “piggy-back” connection allowing 2 wires to connect onto 1 prong. It is helpful to keep these “piggy-back” connections together when transferring these wires.

9. Reassemble in the reverse order.

FLICKER MOTOR/FLICKER ROD REPLACEMENT

Tools Required: Phillips head Screwdriver
Wire cutters

WARNING: If the fireplace was operating prior to servicing allow at least 10 minutes for light bulbs and heating elements to cool off to avoid accidental burning of skin.

WARNING: Disconnect power before attempting any maintenance or cleaning to reduce the risk of electric shock or damage to persons.

1. Remove the twelve (12) screws which mount the firebox to the back of the mantel/cabinet. (Figure 5)
2. Pull the firebox out from behind the mantel and place it upright on your work surface with the back panel facing you.
3. Remove the light access panel.
4. Remove the seven (7) screws around the bottom of the firebox that secure the bottom panel on: 3 along the back and 2 on each side.
5. Remove the lower set of screws on either side of the light access panel cutout, these secure the interior light socket and flicker motor bracket to the back panel.
6. Carefully lay the firebox onto your work surface with the front glass facing up.
7. Remove the set of screws on either side of the control panel.
8. Gently pull the bottom panel away from the firebox, while supporting the front glass. Remove glass and place the glass in a safe place.
9. Continue removing the bottom panel, being careful not to strain any of the connected wires.
10. Remove the reflector rod from the flicker motor by pulling the end of the rod to the left and separating it from the rubber sleeve.
11. Remove the rubber sleeve from the motor shaft.
12. Lift the mounting bracket that the light socket and the flicker motor are attached to out of the unit.
13. Remove the two (2) screws that secure the flicker motor to the bracket and replace with new motor.
14. Remove the original flicker motor by cutting the connecting wires at the flicker motor, to allow enough remaining wire to strip and connect to the new flicker motor.
15. Strip 1/2” off of the remaining wire, and using appropriate wire connectors attach the wires from the new flicker motor to the wires within the firebox.
16. Reassemble in the reverse order.

POWER CORD REPLACEMENT

Tools Required: Phillips head Screwdriver
Needle nose pliers

WARNING: If the fireplace was operating prior to servicing allow at least 10 minutes for light bulbs and heating elements to cool off to avoid accidental burning of skin.

WARNING: Disconnect power before attempting any maintenance or cleaning to reduce the risk of electric shock or damage to persons.

1. Remove the twelve (12) screws which mount the firebox to the back of the mantel/cabinet. (Figure 5)
2. Pull the firebox out from behind the mantel and place it upright on your work surface with the back panel facing you.
3. Remove the light access panel.
4. Remove the seven (7) screws around the bottom of the firebox that secure the bottom panel on: 3 along the back and two (2) on each side.
5. Remove the lower set of screws on either side of the light access panel cutout, these secure the interior light socket and flicker motor bracket to the back panel.
6. Carefully lay the firebox onto your work surface with the front glass facing up.
7. Remove the set of screws on either side of the control panel.
8. Gently pull the bottom panel away from the firebox, while supporting the front glass. Remove glass and place the glass in a safe place.
9. Continue removing the bottom panel, being careful not to strain any of the connected wires.
10. Remove the remaining eight (8) screws which secure the log-set and the log-set bracket; four (4) on the left and four (4) on the right lower side panels.
11. Lift the logs and the bracket out of the firebox. There are wires connected to the log set, so carefully set it beside the firebox.
12. Remove the partially reflective glass by sliding it down a few inches, then spread the sides apart slightly until you are able to lift the partially reflective glass out of the unit. Place the partially reflective glass in a safe location.
13. Locate the terminal block to which the power cord wires are connected. Release the power cord wires from the terminal block by removing the screw from each corresponding terminal, then pulling the wire out of the terminal.
14. With needle nosed pliers, squeeze and push the power cord grommet out of the side panel of the fireplace chassis. Remove the original power cord and discard it.
15. Insert the new power cord wires through the same opening as the original. With needle nosed pliers, squeeze and push the new grommet in place of the original, securing the power cord to the chassis.
16. Connect the new power cord into the terminal block following the original configuration.
17. Reassemble in the reverse order.

REMOTE CONTROL RECEIVER REPLACEMENT

Tools Required: Phillips head Screwdriver

WARNING: If the fireplace was operating prior to servicing allow at least 10 minutes for light bulbs and heating elements to cool off to avoid accidental burning of skin.

WARNING: Disconnect power before attempting any maintenance or cleaning to reduce the risk of electric shock or damage to persons.

1. Remove the twelve (12) screws which mount the firebox to the back of the mantel/cabinet. (Figure 5)
2. Pull the firebox out from behind the mantel and place it upright on your work surface with the back panel facing you.
3. Remove the light access panel.
4. Remove the seven (7) screws around the bottom of the firebox that secure the bottom panel on: 3 along the back and 2 on each side.
5. Remove the lower set of screws on either side of the light access panel cutout, these secure the interior light socket and flicker motor bracket to the back panel.
6. Carefully lay the firebox onto your work surface with the front glass facing up.
7. Remove the set of screws on either side of the control panel.
8. Gently pull the bottom panel away from the firebox, while supporting the front glass. Remove glass and place the glass in a safe place..
9. Continue removing the bottom panel, being careful not to strain any of the connected wires.
10. Remove the remaining eight (8) screws which secure the log-set and the log-set bracket; four (4) on the left and four (4) on the right lower side panels.
11. Lift the logs and the bracket out of the firebox. There are wires connected to the log set, so carefully set it beside the firebox.
12. Remove the partially reflective glass by sliding it down a few inches, then spread the sides apart slightly until you are able to lift the partially reflective glass out of the unit. Place the partially reflective glass in a safe location.
13. Locate the remote control receiver mounted on the back panel, and transfer the wires to the new remote control receiver.
14. Remove the original remote control receiver from the mounting tabs located on the 4 corners of the board. This can be done by cutting the tips of the tabs with wire cutters or squeezing the tab inward and lifting the receiver off the remainder of the tabs.
15. If the tabs were cut, remove the remainder of the original mounting tabs by pushing them out through the back panel of the fireplace. Replace with the new mounting tabs provided with the new receiver into the same location on the back panel
16. Gently push the new remote control receiver onto the mounting tabs.
17. Reassemble in the reverse order.

LIGHT HARNESS REPLACEMENT

Tools Required: Phillips head Screwdriver

WARNING: If the fireplace was operating prior to servicing allow at least 10 minutes for light bulbs and heating elements to cool off to avoid accidental burning of skin.

WARNING: Disconnect power before attempting any maintenance or cleaning to reduce the risk of electric shock or damage to persons.

1. Remove the twelve (12) screws which mount the firebox to the back of the mantel/cabinet. (Figure 5)
2. Pull the firebox out from behind the mantel and place it upright on your work surface with the back panel facing you.
3. Remove the light access panel.
4. Remove the seven (7) screws around the bottom of the firebox that secure the bottom panel: three (3) along the back and two (2) on each side.
5. Remove the lower set of screws on either side of the light access panel cutout, these secure the interior light socket and flicker motor bracket to the back panel.
6. Carefully lay the firebox onto your work surface with the front glass facing up.
7. Remove the set of screws on either side of the control panel.
8. Gently pull the bottom panel away from the firebox, while supporting the front glass. Remove glass and place the glass in a safe place.
9. Continue removing the bottom panel, being careful not to strain any of the connected wires.
10. Lift the mounting bracket that the light socket and the flicker motor are attached to out of the unit.
11. Remove the light bulb from the socket and put in a safe place.
12. Replace the original light socket by removing the retaining plate and installing the new socket.
13. Cut the connecting wires, from the original light socket, that run into the top portion of the firebox.
14. Strip 1/2” off of the remaining wire, and using appropriate wire connectors, attach the wires from the new light socket to the wires within the firebox.
15. Reassemble in the reverse order.

TROUBLESHOOTING GUIDE

PROBLEM	CAUSE	SOLUTION
General		
Circuit breaker trips or fuse blows when unit is turned on	Short in unit wiring.	Trace wiring in unit.
	Improper circuit current rating	Additional appliances may exceed the current rating of the circuit breaker or fuse. Plug unit into another outlet or install unit on a dedicated 15 amp circuit.
Unit turns on or off by itself	Remote Control has a similar frequency to other remotes in the area.	Replace Remote Control. Initialize Remote Control and Remote Control Receiver
	Radio frequency disturbance from outside sources.	Replace Remote Control and Remote Control Receiver, where necessary. Initialize Remote Control and Receiver
Lights dim in room while the unit is on	Unit is drawing close to circuit current rating	Move the unit to another outlet or install unit on a dedicated 15 amp circuit
Power cord gets warm	Normal Operation	The power cord may get slightly warm to the touch when the heater is on
	Defective power cord	Replace power cord if cord gets hot to the touch.
Appearance		
Fireplace does not turn on Manually	Improper operation	Refer to Operation Section
	No incoming voltage from the electrical wall socket	Check Fuse/Breaker Panel
	Loose wiring	Check wiring connections
	Defective On/Off or 3-Position Switch	Replace On/Off or 3-Position Switch (Depending on the model)
	Defective Remote Control Receiver	Replace Remote Control Receiver. Initialize with Remote Control
Fireplace does not turn on using the Remote Control	Improper operation	Refer to Operation Section
	Remote Control not initialized to fireplace	Initialize the Remote Control
	Remote Control not working.	Install new battery into the Remote Control. Reinitialize remote where necessary
		Replace Remote Control or Remote Control Receiver, where necessary. Initialize Remote Control and Receiver.
Flame Frozen	Loose wiring	Check wiring connections
	Defective Flicker motor	Replace Flicker motor
Flame not bright or flame not visible	Burnt out light bulbs	Replace light bulbs
	Loose wiring	Check wiring connections
	Defective light harness	Replace light harness
Log set dim, not glowing	Burnt light bulbs	Replace light bulbs
Flame Shudder	Defective Flicker motor	Replace Flicker motor
Light leaking around the log set	Log set not positioned properly	Check log set for proper fit

PROBLEM	CAUSE	SOLUTION
Heater		
Heater is not turning off	Improper operation	Refer to Operation Section
	Defective Thermostat	Replace Thermostat
Heater is not turning on, but flame effect is still functioning	Improper operation	Refer to Operation Section
	Loose wiring	Trace wiring in unit.
	Defective Thermostat	Replace Thermostat
	Defective Heater Assembly	Replace Heater Assembly
Heater is turning off after a couple of minutes of operation	Build up of dirt/dust in heater assembly	Ensure that exterior intake louvers and firebox cavity are free of dirt/dust.
	Defective Heater Assembly	Replace Heater Assembly
Heater emits an odor	Normal Operation	Normal operation is when the heater emits an odor for a brief period after the heater is initially turned on. The heater is burning off any dust accumulated during manufacturing or operation.
	Defective Heater Assembly	Replace Heater Assembly
Heater fan turns on but heater lacks heat	Improper operation	Refer to Operation Section
	Loose wiring	Trace wiring in unit
	Defective Thermostat	Replace Thermostat
	Defective Heater Assembly	Replace Heater Assembly
Heating element is glowing red	Normal Operation	Small glowing sections of the element are considered normal.
	Defective Heater Assembly	If larger glowing sections are causing the heater to trip the thermal cutout, unplug unit, discontinue use and replace heater assembly.
Noise		
Excessive noise with the heater on	Dirty blower assembly	Ensure that exterior intake louvers and firebox cavity are free of dirt/dust.
	Defective Heater Assembly	Replace Heater Assembly
Grinding or excessive noise with the heater off	Flicker rod hitting or rubbing against internal components	Ensure rod is straight and mounted properly in the bracket, spinning freely away from other components. Replace if necessary.
	Defective Flicker motor	Replace Flicker motor